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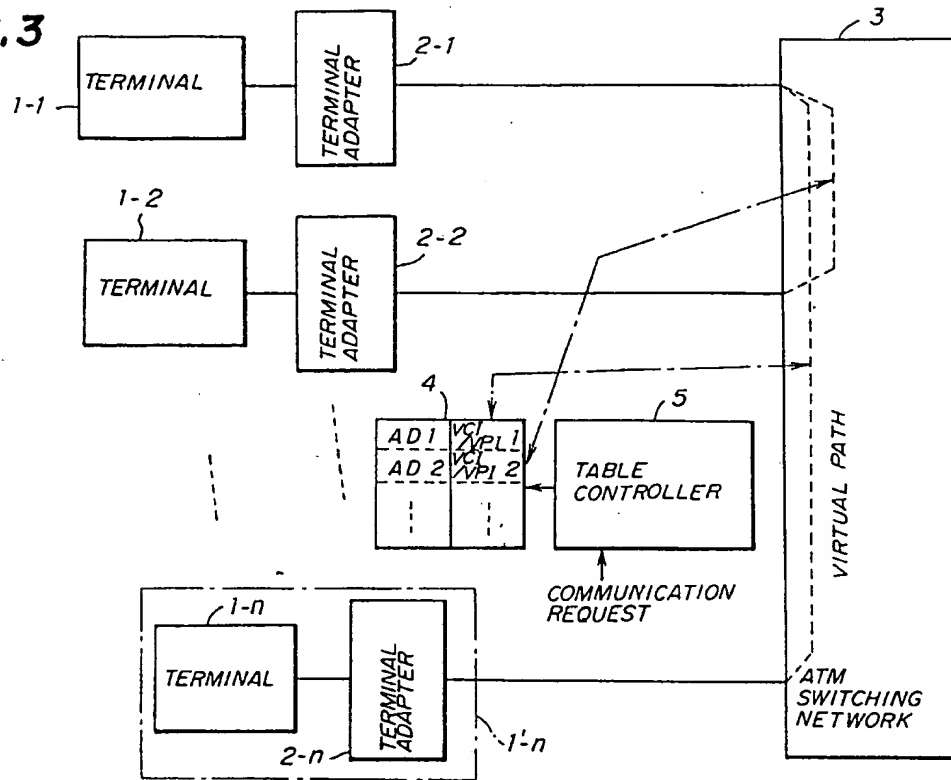
(54) System for controlling data transmission in an ATM switching network.

(57) A transmission control system includes an ATM switching network (3), terminals (1-1 - 1-n, 1'-n) and terminal adapters (2-1 - 2-n) respectively connected to the plurality of terminals. The transmission control system also includes a table circuit (4) registering virtual channels presently formed in the ATM switching network in a management table, and a retrieval part (5) for receiving a communication request from one of the terminals and for determining whether or not the management table registers a virtual channel corresponding to the communication request at present. Data output from the one of the terminals is transferred to a different one of the terminals addressed by the communication request through the virtual channel corresponding to the communication

request and corresponding two of the terminal adapters when the retrieval part determines that the management table has the virtual channel corresponding to the communication request. A virtual channel setting part (5) registers the virtual channel corresponding to the communication request in the management table when the retrieval processor determines that the management table does not have the virtual channel corresponding to the communication request. Data output from the one of the terminals is transferred to the different one of the terminals addressed by the communication request through the virtual channel registered in the management table by the virtual channel setting part.

EP 0 406 759 A3

FIG. 3





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 90 11 2584

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	WO-A-89 05075 (AMERICAN TELEPHONE & TELEGRAPH COMPANY) 1 June 1989 * the whole document * ---	1-42	H04L12/56 H04L12/24
A	EP-A-0 269 978 (KABUSHIKI KAISHA TOSHIBA) 8 June 1988 * abstract * ---	2, 4, 16, 18, 30, 32	
A	US-A-4 737 953 (KOCH ET AL.) 12 April 1988 * column 6, line 40 - column 7, line 20 * -----	2, 3, 16, 18, 30, 31	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			H04L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 September 1994	Examiner Revellio, H.S.
CATEGORY OF CITED DOCUMENTS			
<div><div>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</div><div>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons ----- A : member of the same patent family, corresponding document</div></div>			